

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number  
WO 2005/094173 A3

(51) International Patent Classification<sup>7</sup>: G06F 19/00

(21) International Application Number:  
PCT/IL2005/000359

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/558,128 1 April 2004 (01.04.2004) US

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(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

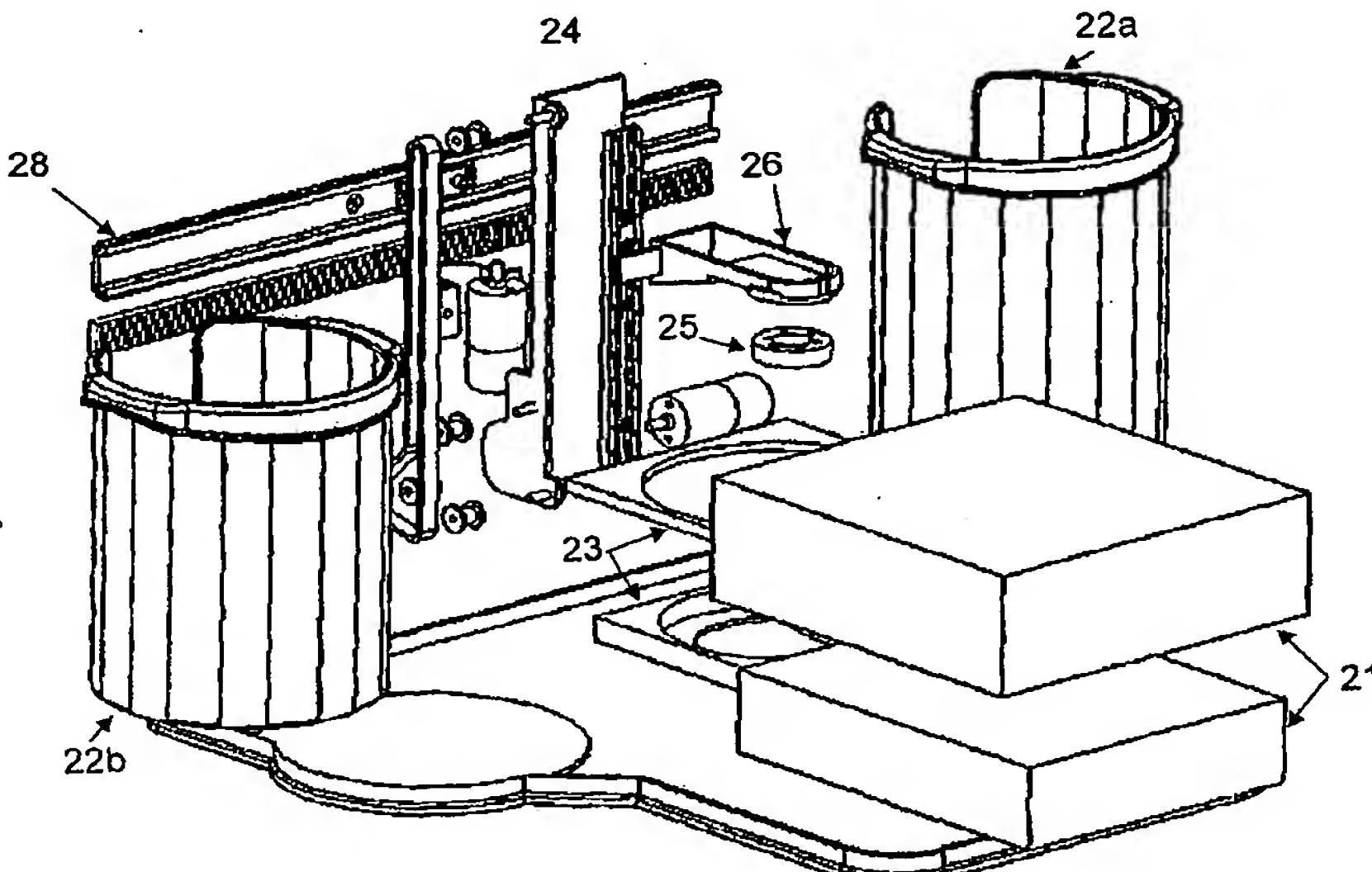
Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
2 March 2006

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: UNATTENDED DATA STORAGE SYSTEM



(57) Abstract: A disc holder (22a and 22B) are positioned on the two sides of the disc drive (21). Discs are picked by arm (26) using a gripping mechanism such as suction cups or mechanical grippers (25). The arm (26) may move up and down along tower (24), and tower may move along line (29) to locate the arm in necessary position. The horizontal movement of the tower (24) is enabled by rack (28) whose liner movement is controlled by a motor. The vertical movement of the arm (26) is performed on four tower rods.

WO 2005/094173 A3

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(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number  
WO 2005/094173 A2

(51) International Patent Classification: Not classified

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/IL2005/000359

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:  
60/558,128 1 April 2004 (01.04.2004) US

Published:

— without international search report and to be republished upon receipt of that report

(71) Applicant and

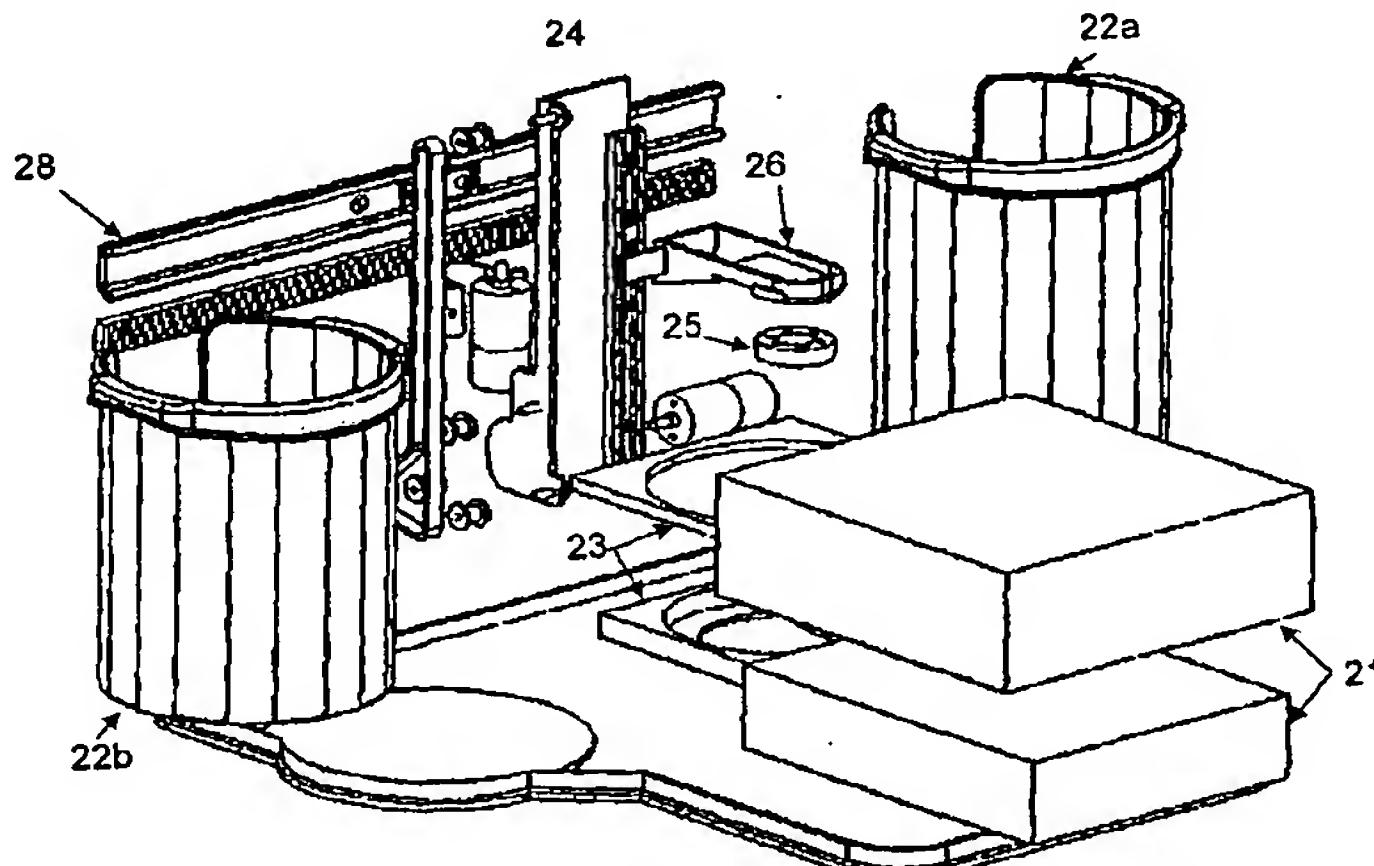
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(54) Title: UNATTENDED DATA STORAGE SYSTEM



(57) Abstract: The present invention discloses a mechanical apparatus for performing automatic and unattended data storage and retrieval tasks. The apparatus enables automating the data storage procedure of recording files on multiple compact discs (CDs) or digital versatile discs (DVDs) without relying on the intervention of a human operator. The apparatus automatically transfers empty discs into the disc drive, removes them from the disc drive and marks them appropriately once the disc writing and reading procedures are completed. The apparatus is composed of an arm equipped with a gripping mechanism such as suction cups or mechanical grippers which can move vertically and horizontally and transfer the discs according to necessity. Two embodiments are described: in the first embodiment the horizontal movement of the arm is circular and is performed around a central axis; in the second the movement is along a straight line and the arm is positioned on a rack.

WO 2005/094173 A2